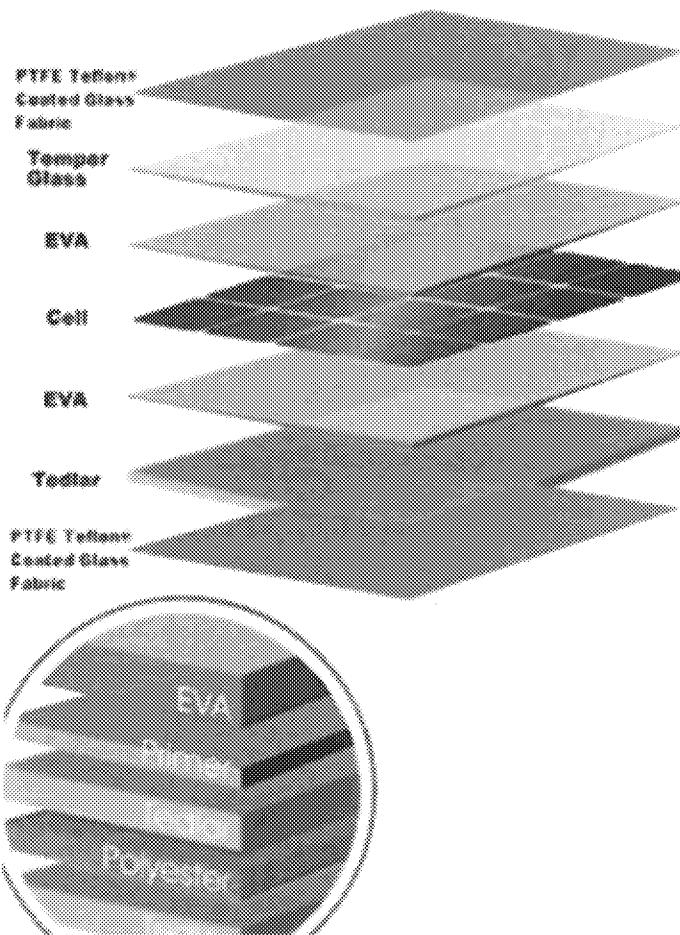


Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 4/5/2018 11:12:25 AM
To: Detlef Knappe [knappe@ncsu.edu]; Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]; Lang, Johnsie [lang.johnsie@epa.gov]
Subject: FW: Important information regarding fluorochemicals in solar panels
Attachments: Attachment 1.pdf; Attachment 2.pdf; Attachment 3.pdf

I did not see you all cc'd on this. Not sure if you got it via other routes. Check out attachment #3. PTFE coated fiberglass is the outermost layer with Tedlar in the middle. Not sure if this is a reasonable argument, should we use solar with PFAS or coal for energy?

Mark



From: Kristina Van Staalduinen [mailto:kjv20@hotmail.com]
Sent: Wednesday, April 04, 2018 9:13 PM
To: tbrownbland@ncuc.net; jpatterson@ncuc.net; lgray@ncuc.net
Cc: finley@ncuc.net; jdockham@ncuc.net; dclodfelter@ncuc.net; cmitchell@ncuc.net; **Ex. 6 Personal Privacy (PP)** michael.regan@ncdenr.gov; Bill.Cook@ncleg.net; Strynar, Mark <Strynar.Mark@epa.gov>; rubin@ncsu.edu; BSMITHFARM@WINDSTREAM.NET; info@nsjonline.com; Adam.Wagner@starnewsonline.com; Vaughn.Hagerty@starnewsonline.com; info@carolinajournal.com; eckerlin@ncsu.edu; **Ex. 6 Personal Privacy (PP)** webeditor@beaufortobserver.net;
Ex. 6 Personal Privacy (PP)

mjarvis@ncuc.net

Subject: Important information regarding fluorochemicals in solar panels

Dear Commissioners Brown-Bland, Gray, and Patterson,

Thank you for coming to Washington, N.C. on March 19, 2018 to hear public concerns about the proposed Wilkinson Solar facility. As you evaluate its environmental implications, please consider the attached information. These materials certainly support the notion that solar panels may have a negative impact on our groundwater and our land ecology. I am providing you with this information to inform your decision. As a decision to move forward may incur additional liabilities that will ultimately attach to the ratepayers in the form of higher rates, please consider this information carefully. In this regard, these large, industrial solar installations may represent the next coal ash legacy for North Carolina. Where decisions regarding coal ash ponds were largely uninformed at the time, the same could not be said at this point regarding solar installations.

The first attachment discusses the prevalent and most common uses of fluorochemicals in the PV solar industry. Commonly used fluorochemicals on solar panels include some of the emerging toxic chemicals that have been detected in waters across our state.

The second attachment describes how the manufacture of the most toxic fluorochemicals has shifted to China as U.S. companies voluntarily phased out production. The Washington Examiner reported today, "About 65 percent of all solar modules are made in China, and seven of the top 10 module manufacturers are Chinese." ([Link](#))

The final attachment is a product sheet for an energy grade Teflon laminate marketed to PV solar manufacturers. Last year, DuPont and Chemours settled lawsuits involving a leak of a toxic chemical used to make Teflon for \$671 million in cash.

I encourage you to reach out to DEQ, the Environmental Management Commission and the U.S. EPA as you carefully consider the potential of the Wilkinson Solar facility to harm the health and the wellbeing of the Terra Ceia community before deciding whether to approve the CPCN.

Sincerely,

Kristina Beasley

cc. Chief Clerk, NCUC

Ed Finley, NCUC Chairman

Commissioner Clodfelter, NCUC Commissioner

Commissioner Dockham, NCUC Commissioner

Charlotte Mitchell, NCUC Commissioner

John Solomon, NCEMC Chairman

Julie Wilsey, NCEMC Vice Chairman

David Anderson, NCEMC Commissioner

Jerry Carroll, NCEMC Commissioner

Charlie Carter, NCEMC Commissioner

Marion Deerhake NCEMC Commissioner

Boots Elam, NCEMC Commissioner

Mitch Gillespi, NCEMC Commissioner

Steve Keen NCEMC Commissioner

Suzanne Lazorick, NCEMC Commissioner

Stanley Melburg, NCEMC Commissioner

Bill Pruette, NCEMC Commissioner

Albert Rubin, NCEMC Commissioner

Butch Smith, Jr., NCEMC Commissioner

Richard Whisnant, NCEMC Commissioner

Michael Regan, NCDEQ Secretary

Dr. Mark Strynar, U.S. EPA Researcher

Adam Wagner, Star News

Vaughn Hagerty, Star News

North State Journal

Beaufort Observer

Carolina Journal

Roy Cooper, NC Governor

Bill Cook, N.C. State Senator

Herb Eckerlin, NC Energy Policy Council Member